

VACUUM CLEANER WITH NOISE SUPPRESSION FEATURES

Abstract of the Disclosure

A vacuum cleaner includes a cyclonic airflow chamber that facilitates the separation of contaminants from a suction airstream. The airflow chamber includes a chamber inlet and a chamber outlet, with the chamber inlet being fluidically connected with at least one of a suction nozzle and an above-the-floor cleaning tool. An exhaust filter housing includes a suction duct and an exhaust plenum, with the suction duct communicating with the chamber outlet. A suction source housing includes an open end communicating with the exhaust plenum and a closed end. A suction source is positioned within the suction source housing to define an annular exhaust flow passageway surrounding the suction source from the housing closed end to the housing open end. The suction source includes a suction inlet communicating with the suction duct and an exhaust outlet communicating with the housing closed end.